

マイクロ熱研究センター業績リスト (1996) (Publications from the Microcalorimetry Research Center)

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- Q-1 Stoichiometry and Phase Behavior of Carbon Tetrachloride Solvates of C_{60} .
Y. Nagano and T. Tamura, *Chem. Phys. Lett.*, **252**, 362-366 (1996).
- Q-2 Deuterium-induced Phase Transition in Crystalline Tolane- d_{10} .
Y. Yamamura, K. Saito, H. Matsuyama and I. Ikemoto, *Chem. Phys. Lett.*, **256**, 317-320 (1996).
- Q-3 Inelastic Neutron Scattering Study of Low-Energy Excitation in Glassy 1-Butene.
O. Yamamura, T. Matsuo, K. Takeda, T. Kanaya, T. Kawaguchi and K. Kaji, *J. Chem. Phys.*, **105**, 732-737 (1996).
- Q-4 Calorimetric Study of Thermochromic Complexes. 2. Heat Capacity and Phase Transition of Bis(*N, N*-diethylethylenediamine) copper(II) Perchlorate.
A. Nishimori, E. A. Schmitt, D. N. Hendrickson and M. Sorai, *J. Coord. Chem.*, **37**, 327-340 (1996)
- Q-5 Calorimetric Study of Deuterium-Induced Phase Transitions in Ferroelectric and Related Substances.
T. Matsuo, *J. Korean Phys. Soc.*, **29**, S409-S414 (1996).
- Q-6 Low Temperature Heat Capacity of $K_3H(SeO_4)_2$.
T. Matsuo, K. Kohno and M. Ichikawa, *J. Korean Phys. Soc.*, **29**, S432-S435 (1996).
- Q-7 Deuteration-induced Structural Phase Transitions in Some Hydrogen-bonded Crystal.
M. Ichikawa and T. Matsuo, *J. Mol. Struct.*, **378**, 17-27 (1996).
- Q-8 Calorimetric Study of Phase Transitions in SeF_6 and WF_6 Crystals.
T. Ohta, O. Yamamoto, T. Matsuo and H. Suga, *J. Phys. Chem.*, **100**, 2353-2359 (1996).
- Q-9 Calorimetric and Dielectric Studies on an Order-Disorder Transition in the Hydrogen-Bond Molecules in $[H_{31}O_{14}][CdCu_2(CN)_7]$ Crystal.
K. Okishiro, O. Yamamoto, T. Matsuo, S. Nishikiori and T. Iwamoto, *J. Phys. Chem.*, **100**, 18546-18549 (1996).
- Q-10 Heat Capacities and Phase Transitions of Protonated and Deuterated Methylammonium Tetrafluoroborates.

- N. Onoda-Yamamuro, O. Yamamuro, T. Matsuo and H. Suga, *J. Phys. Chem.*, **100**, 19647-19652 (1996).
- O-11 Sharp Anomaly in Magnetoresistance of the Spin-Density-Wave State of $(\text{TMTSF})_2\text{PF}_6$.
H. Yoshino, K. Murata, K. Saito, H. Nishikawa, K. Kikuchi and I. Ikemoto, *J. Phys. Soc. Jpn.*, **65**, 3127-3130 (1996).
- O-12 Calorimetric Study on Configurational Enthalpy and Low-Energy Excitation of Ground Amorphous Solid and Liquid-Quenched Glass of 1,3,5-Tri- α -naphthylbenzene.
I. Tsukushi, O. Yamamuro, T. Ohta, T. Matsuo, H. Nakano and Y. Shirota, *J. Phys.: Condensed Matt.*, **8**, 245-255 (1996).
- O-13 The Role of the Ice Rules in the Thermal Properties of Potassium Dihydrate Phosphate.
T. Matsuo, O. Yamamuro, M. Orguni and H. Suga, *J. Therm. Anal.*, **46**, 1167-1176 (1996).
- O-14 Solid State Amorphization of Organic Crystals and Thermodynamic Properties of the Amorphized Solids.
O. Yamamuro, I. Tsukushi and T. Matsuo, *Mol. Cryst. Liq. Cryst.*, **277**, 205-214 (1996).
- O-15 Electronic and Vibrational Properties of an Al-Cu-Ru Icosahedral Quasicrystal Deduced from Heat Capacities.
A. Inaba, S. Ishida, T. Matsuo, K. Shibata and A. P. Tsai, *Phil. Mag. Lett.*, **74**, 381-388 (1996).
- O-16 Physical Properties of Pressure Polymerized C_{60} .
P.-A. Persson, U. Edlund, A. Frasson, A. Inaba, P. Jacobsson, D. Johnels, C. Meingast, A. Soldatov and B. Sundqvist, *Proc. XV AIPART and XXXIII EHPRG Intl. Conf. High Press. (Warsaw, 1995), High Pressure Science and Technology (World Scientific ; ed. W. A. Treciakowski)*, 716-718 (1996).
- O-17 Physical Properties of Pressure Polymerized C_{60} .
B. Sundqvist, O. Andersson, U. Edlund, A. Frasson, A. Inaba, P. Jacobsson, D. Johnels, P. Launois, C. Meingast, R. Moret, T. Moritz, P.-A. Persson, A. Soldatov and T. Wagner, *Proc. Symp. on Recent Adv. in the Chem. and Phys. of Fullerenes and Related Mat. (The 189th Meet. Electrochem. Soc., Los Angeles, 1996)*, Vol. 3, 1014-1028 (1996).
- O-18 Field-orientation Dependence of Magnetoresistance of a Double-column Organic Conductor, $(\text{DMET})_2\text{ClO}_4$, and Its Temperature Dependence.
H. Yoshino, K. Saito, K. Kikuchi, H. Nishikawa, K. Kobayashi and I. Ikemoto, *Synth. Metals*, **82**, 83-88 (1996).
- O-19 Heat Capacity and Phase Transition of Crystalline 4, 4''-Difluoro-*p*-quaterphenyl.
Y. Yamamura, K. Saito, H. Matsuyama and I. Ikemoto, *Thermochim. Acta*, **287**, 35-42 (1996).

- R-1*** 分子性ガラスの低エネルギー励起
山室修, 波紋, 6, 1-4 (1996).
- R-2*** 化学の理論を楽しもう：熱力学－物質のマクロな状態を理解するために
徂徠道夫, 化学, 51, 282-285 (1996).
- R-3*** フラーレン生成の熱力学
長野八久, 清林哲, 大阪大学工作センターニュース, 27, 3-6 (1996).
- R-4** Heat-Capacity Calorimetry of Molecule-Based Magnetic Materials.
M. Sorai, *Molecule-Based Magnetic Materials : Theory, Techniques, and Application* (eds. M. M. Turnbull, T. Sugimoto and L. K. Thompson), ACS Symposium Series 644,
American Chemical Society (1996), Chapter 7, pp. 99-114.
- R-5** Structure and Dynamics of Adsorbed Monolayers as Studied by Neutron Scattering.
A. Inaba, *International Workshop on Science in Neutron-Arena of JHP* (eds. H. Ikeda and M. Furusaka, KEK, 1996), pp. 50-53.
- B-1*** リーディング科学英語 － 早く正確に読みこなすコツ (小沢昭弥, 山下正通, 長 哲郎 監修, 化学同人, 1995)
松尾隆佑 (分担執筆)
- M-1*** 第14回IUPAC化学熱力学国際会議
徂徠道夫, 化学, 51, 788-789(1996).
- M-2*** 第14回IUPAC化学熱力学国際会議：ハイライト － ルジャンドル変換
松尾隆佑, 化学, 51, 789(1996).